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Toluene compounds, Me = 1.

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p-**Tolueneazo-β-naphthol** nitrate (CHARRIER and FERRERI), A., i, 748.

2-Tolueneazo-1-naphthols and their ethers and salts (CHARRIER and FERRERI), A., i, 1178.

4-*o*-Tolueneazo-1-naphthylamine and its derivatives (CASALE and CASALE-SACCHI), A., i, 1180.

p-**Toluene-*p*-azophenol** nitrate (CHARRIER and FERRERI), A., i, 748.

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p-**Toluenesulphonbenzylphenacylamide** and its salts and derivatives (GABRIEL), A., i, 698.

Toluene-ω-sulphondimethylamide (JOHNSON and AMBLER), A., i, 265.

Toluene-ω-sulphonmethylamide (JOHNSON and AMBLER), A., i, 265.

p-**Toluenesulphonphenacyl-amide** and **-methylamide** (GABRIEL), A., i, 697.

ω-*p*-**Toluenesulphonylacetophenone**, ω-bromo- (TROEGER and MÜLLER), A., i, 844.

Toluene compounds, Me = 1.

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p-**Toluic acid**, 3-hydroxy-, methoxymethyl ester (FARBENFABRIKEN VORM. F. BAYER & Co.), A., i, 686.

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p-**Toluic acids**, bromonitrohydroxy- (GIBBS and ROBERTSON), T., 1891.

o-**Toluidine**, 3:5-*di*bromo-6-nitro-, 3:5:6-*tri*bromo-, and 3:5:6-*tri*bromo-4-nitro- (BLANKSMA), A., i, 400.

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m-**Toluidine**, 4-nitro-, preparation of, and its benzenesulphonyl derivative (MORGAN and SCHARFF), T., 120.

1-*p*-Toluidinoanthraquinonesulphonic acid and its chloride (FARBWERKE VORM. MEISTER, LUCIUS, & BRÜNING), A., i, 63.

5-*p*-Toluidino-1:4-*di*hydroxyanthraquinone, 6:7:8-*tri*chloro- (HÖVERMANN), A., i, 702.

2-*p*-Toluidino-2-hydroxy*peri*naphthindan-1:3-dione (ERRERA and SORGÉS), A., i, 59.

p-**Toluidinomethylenemalononitrile** (PASSALACQUA), A., i, 24.

4-*p*-Toluidino-2-phenoxyanthraquinone, (FARBENFABRIKEN VORM. F. BAYER & Co.), A., i, 63.

p-**Toluoylacetic acid**, and *o*-nitro-, and their ethyl esters (DUFF), T., 2182; P., 230.

Toluene compounds, Me = 1.

p-Toluoylacetoacetic acid, *o*-nitro-, ethyl ester (DUFF), T., 2183.

o- and *p*-**Toluoylbenzamidines** (TITHERLEY and STUBBS), T., 302; P., 12.

β-Toluoyl-α-cinnamylidenepropionic acid and its methyl ester (BORSCHE, SAUERNHEIMER, and HEIMBURGER), A., i, 687.

β-Toluoyl-αβ-dibenzylidenepropionic acid (BORSCHE, SAUERNHEIMER, and HEIMBURGER), A., i, 687.

r-o- and *-p*-**Toluoylphenylcarbinols** (MCKENZIE, MARTIN, and RULE), T., 1585.

p-**Toluoylpropionic acid**, ethyl ester (BORSCHE, SAUERNHEIMER, and HEIMBURGER), A., i, 686.

2-*o*- and *-p*-**Toluoylthiophen** (STEINKOPF and BAUERMEISTER), A., i, 428.

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3-Toluquinol, 2-chloro-6-bromo- (RAIFORD), A., i., 524.

3-Toluquinone, 2-chloro-6-bromo-, 2-chloro-6-bromo-4-chloroimino-, and 2:6-*di*chloro-4-chloroimino-(RAIFORD), A., i, 524.

o-**Tolyl** methyl ether, 5:6-*di*nitro-3-hydroxy- (CAIN and SIMONSEN), T., 160.

p-**Tolyl** carvacryl oxide (SABATIER and MAILHE), A., i, 400.

m-**Tolylaceturic acid** (FROMHERZ and HERMANNS), A., i, 358.

p-**Tolyl acetylaminomethyl ketone** (RÜDENBURG), A., i, 53.

m-**Tolylacetyl** chloride (FROMHERZ and HERMANNS), A., i, 358.

m-**Tolylacetylglycine.** See *m*-Tolylaceturic acid.

m-**Tolylalanine**, decomposition of, in the organism and its derivatives (BÖHM; FROMHERZ and HERMANNS), A., i, 358.

2-*p*-**Tolylaminoaceto-***p*-**anisidide**, 2:3-*di*nitro-, and its acetyl derivative (MELDOLA and HOLLELY), T., 986.

γ-Tolyl-α-anisylidenecrotonolactone (BORSCHE, SAUERNHEIMER, and HEIMBURGER), A., i, 687.

1-*N*-*p*-**Tolylanthrapyridone**, hydroxy- (FARBENFABRIKEN VORM. F. BAYER & Co.), A., i, 324.

p-**Tolylbenzamide** hydrochloride (DEHN and BALL), A., i, 1170.

p-**Tolyl benzoylaminomethyl ketone** (RÜDENBURG), A., i, 52.

o-, *m*-, and *p*-**Tolyl benzyl** and **phenylethyl ketones** (MAILHE), A., i, 548.

γ-Tolyl-α-benzylidenecrotonolactone (BORSCHE, SAUERNHEIMER, and HEIMBURGER), A., i, 687.

Toluene compounds, Me = 1.

β-*o*-**Tolyl-αα-***di***chloroethylene** (IOCITSCH), A., i, 402.

o-**Tolyl***tri***chloromethylacetylcarbinol**, action of zinc on (IOCITSCH), A., i, 402.

p-**Tolyl***tri***chloromethylcarbinol** (IOCITSCH), A., i, 402.

o-**Tolyl chloromethyl ketone**, 3:4-*di*hydroxy- (v. KRANNICHFELDT and ROSSELET), A., i, 191.

4:5-*di*hydroxy- (STEPHEN and WEIZMANN), T., 1050; P., 71.

p-**Tolyl γ-chloropropyl ketone** and its semicarbazone (WOHLGEMUTH), A., i, 929.

α-*m*-**Tolylcinnamic acids**, amino-, hydroxy-, and nitro- (MAYER and BALLE), A., i, 537.

γ-Tolyl-α-cinnamylidenecrotonolactone (BORSCHE, SAUERNHEIMER, and HEIMBURGER), A., i, 687.

4-*m*-**Tolyldihydrouracil**, 6-hydroxy- (POSNER and HESS), A., i, 47.

as-*p*-**Tolyldimethylaminobenzylcarbamide** and its platinichloride (v. BRAUN and KRUBER), A., i, 205.

2:4-Tolylenediamine, 3:5:6-*tri*bromo- (BLANKSMA), A., i, 400.

2:4- and **3:4-Tolylenediammonium** telluribromides (GUTBIER, FLURY, and WEINZIERL), A., i, 502.

α-*p*-**Tolylethyl alcohol**, β-chloro- (SPÄTH), A., i, 823.

p-**Tolyl ethyl ketimine** (MOUREU and MIGNONAC), A., i, 1076.

m- and *p*-**Tolylideneanthranilic acids** (EKELEY and SLATER), A., i, 576.

α-*m*-**Tolyliminophenylacetonitrile** (MUMM, VOLQUARTZ, and HESSE), A., i, 534.

o-**Tolylmethylaminoacetic acid**, amyl and ethyl esters (ÖCHSLIN), A., i, 760.

β-*p*-**Tolyl-α-methyl-***n*-**butyric acid**, and β-hydroxy-, ethyl ester (RUPE, STEIGER, and FIEDLER), A., i, 282.

1-*p*-**Tolyl-3-methyl-2-ethyl-5-pyrazolone**, 4-amino-, and its derivatives (FARBWERKE VORM. MEISTER, LUCIUS, & BRÜNING), A., i, 90.

o-**Tolyl methyl ketone**, 5-amino-, derivatives of (KUNCKELL), A., i, 578.

3:4-*di*hydroxy- (v. KRANNICHFELDT and ROSSELET), A., i, 191.

p-**Tolyl methyl ketone**, *o*-nitro- (DUFF), T., 2185.

5-Tolyl-2-methyloxazole and its platinichloride (RÜDENBURG), A., i, 53.

2-*p*-**Tolyl-4-methylquinoline**, 3-cyano- (v. MEYER and HAENSEL), A., i, 999.

Toluene compounds, Me = 1.

5-*p*-Tolyl-2-methylthiazole and its salts (RÜDENBURG), A., i, 53.

o-**Tolyl-β-naphthylamine**, *p*-chloro- (KNOEVENAGEL, BERLIN, SAKOM, DIETERICH, and MOSES), A., i, 519.

m-**Tolyl-β-naphthylamine**, thio- (KNOEVENAGEL, BERLIN, SAKOM, DIETERICH, and MOSES), A., i, 519.

m- and *p*-**Tolyl-α-naphthylamines** (KNOEVENAGEL, BERLIN, SAKOM, DIETERICH, and MOSES), A., i, 520.

p-**Tolyl-*m*-nitrobenzoylaminomethylcarbamide** (CURTIUS and HALLAWAY), A., i, 872.

o-**Tolyloxyacetic acid** and its derivatives (MAMELI), A., i, 407.

2-Tolyloxybenzoic acids, 3-*mono*- and 3:5-*di*-nitro-, and their derivatives (PURGOTTI), A., i, 1131.

o-(and *m*-)**Tolylphthalamic acids**, 6-(and 4-)nitro- (KUHARA and KOMATSU), A., i, 183.

m- and *p*-**Tolylphthalamic acids**, silver salts (KUHARA, KOMATSU, and NISHIYORI), A., i, 183.

o- and *m*-**Tolylphthalimides**, *as*-6- and -4-nitro-, and their isomerides (KUHARA and KOMATSU), A., i, 183.

β-*p*-Tolylpropionamide, β-imino- (V. MEYER and ESSER), A., i, 999.

m-**Tolylpropionic acid**, β-amino-β-2- and -6-hydroxy-, and their ethyl esters and derivatives (POSNER and HESS), A., i, 46.

p-**Tolylpropionic acid**, β-amino-β-2-hydroxy-, and its derivatives (POSNER and HESS), A., i, 46.

3-*p*-Tolylpyrazoline, 5-imino-, and its derivatives (V. MEYER and FRIEDRICH), A., i, 996.

3-*p*-Tolyl-4-pyrazolone, 5-imino-, phenylhydrazone, and its derivatives (V. MEYER and FRIEDRICH), A., i, 997.

3-*m*-Tolylquinoline, 2-hydroxy- (MEYER and BALLE), A., i, 537.

2-*p*-Tolylquinoline-4-carboxylic acid, 3-cyano- (V. MEYER and HAENSEL), A., i, 999.

1-*p*-Tolyltetrazole, 5-thiol-, and its sodium salt (OLIVERI-MANDALÀ), A., i, 1145.

p-**Tolylthiocarbamoylazoimide** (OLIVERI-MANDALÀ), A., i, 1145.

p-**Tolylthiolacetyl** chloride (STOLLÉ), A., i, 992.

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Trianhydrotetrakisdiphenylsilicanediol (KIPPING and ROBISON), T., 497.

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4-Triazophenylarsinic acid, 3:5-*di*chloro- (KARRER), A., i, 890.

Triazosulphol, constitution of (OLIVERI-MANDALÀ), A., i, 1144.

6-Triazo-4-trimethylammonium-1-benzoquinone, 2-nitro- (MELDOLA and HOLLELY), T., 1477.

Tribenzoin, formation of (BALBIANO), A., i, 834.

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Tribenzylamine, absorption spectra of (PURVIS), T., 1375; P., 141.

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Tri-*iso*butylammonium telluri-bromide and -chloride (GUTBIER, FLURY, and WEINZIERL), A., i, 502.

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3:5:7-Triethoxy-2-*m*-*p*-diethoxyphenyl-4-ethyl-1:4-benzopyran anhydrohydriodide (WATSON and SEN), T., 397.

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1:3:4-Triketo-6:7-dimethoxy-2-methyl-1:2:3:4-tetrahydro*iso*quinoline (MASON and PERKIN), T., 2020.
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3:4:5-Trimethoxybenzoic acid, carbinols, olefines and ketones derived from (BOGERT and ISHAM), A., i, 532.
2:4:5-Trimethoxybenzophenone-2′-carboxylic acid, and its methyl ester (BARGELLINI), A., i, 554.
3:5:7-Trimethoxy-1:4-benzopyrone, 2-hydroxy- (WATSON and SEN), T., 398.
m- and *p*-**2:3:4-Trimethoxybenzoyloxybenzoic acids** and their methyl esters (MAUTHNER), A., i, 545.
p-**2:3:4-Trimethoxybenzoyloxy-3-methoxybenzoic acid** and its methyl ester (MAUTHNER), A., i, 545.
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3′:4′:4-Trimethoxy-1-benzylidenecoumaran-2-one (v. AUWERS and POHL), A., i, 983.
3:4:5-Trimethoxy-α-benzylstilbene (BOGERT and ISHAM), A., i, 534.
3:4:5-Trimethoxybutyrophenone and its *p*-nitrophenylhydrazone (BOGERT and ISHAM), A., i, 533.
3:4:5-Trimethoxydeoxybenzoin and its *p*-nitrophenylhydrazone (BOGERT and ISHAM), A., i, 534.
3:5:7-Trimethoxy-2-*m*-*p*-dimethoxyphenyl-1:4-benzopyran, 4-chloro-4-hydroxy- (WATSON and SEN), T., 397.
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3:4:5-Trimethoxy-α-methylstyrene and its *p*-nitrophenylhydrazone (BOGERT and ISHAM), A., i, 533.
Trimethoxyphenanthrene and its **carboxylic acid** (KLEE), A., i, 1088.
3:4:5-Trimethoxyphenyldibenzylcarbinol (BOGERT and ISHAM), A., i, 534.
3:4:5-Trimethoxyphenyldiethylcarbinol (BOGERT and ISHAM), A., i, 533.
2:4:6-Trimethoxyphenyl 2:4-, 2:5-, and **3:4-dimethoxystyryl ketones** (KAUFFMANN and KIESER), A., i, 54.
ε-**3:4:5-Trimethoxyphenyl-ββ-dimethyl-Δ^{δ}-nonene** (BOGERT and ISHAM), A., i, 533.
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2:3:4- and **3:4:5-Trimethoxyphenyl 3:4-methylenedioxystyryl ketones** (HARDING), T., 2796.
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3:4:6-Trimethoxyphthalic acid and its derivatives (BARGELLINI), A., i, 545.
3:4:5-Trimethoxypropiophenone and its *p*-nitrophenylhydrazone (BOGERT and ISHAM), A., i, 533.
2:3:4- and **2:4:6-Trimethoxytriphenylcarbinols** (KAUFFMANN and KIESER), A., i, 55.
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Trimethylamine oxide, occurrence of, in the muscles of cephalopods (HENZE), A., i, 902.
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1:2:4-Trimethylbenzene, 5-amino-3-chloro-, 6-nitro-5-amino-, and 6-nitro-5-amino-3-chloro-, derivatives of (BOGERT and BENDER), A., i, 580.
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αβ-*p*-Trimethylcinnamic acid and its ethyl ester (RUPE, STEIGER, and FIEDLER), A., i, 282.

α- and **β-Trimethyl cobalticyanides** (HARTLEY), T., 521; P., 37.

1:1:4-Trimethylcoumaranone and its derivatives (v. AUWERS), A., i, 1137.

2:4:5-Trimethylcoumarilic acid (DEY), P., 38.

4:6:7-Trimethylcoumarin, 3-chloro- (DEY), P., 38.

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3:4:6-Trimethyl-2:3-dihydropyrimid-2-one and its hydrochloride (HALE), A., i, 208.

2:6:7-Trimethyl-4-dihydroquinazolone, 3-amino- (BOGERT and BENDER), A., i, 581.

2:3:7-Trimethyl-4-dihydroquinazolone-6-carboxylic acid (BOGERT and BENDER), A., i, 581.

Trimethylene oxide, preparation of (IPATOV), A., i, 478.
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ERRATA.

Vol. C (Abstr., 1911).

	Page	Line	
i,	230	19*	*for* "Kollisch" *read* "Köllisch."
i,	231	3	,, "1-*Acetyl*-2-*methylindole*" read "2-*Acetyl*-1-*methylindole*."

Vol. CIV (Abstr., 1913).

i,	235	17	*for* "Rocas" *read* "Roxas."
i,	482	24	,, "$C_{15}H_{18}O_6N_2$" *read* "$C_{14}H_{18}O_6N_2$."
ii,	532	13*	,, "tungstate" *read* "molybdate."
	,,	12*	
	,,	11*	,, "molybdate" *read* "tungstate."
	,,	10*	
	,,	9*	
ii,	967	12	,, "Schwartz" *read* "Schwarz."

Vol. CVI (Abstr., 1914).

i,	69	5*	*for* "**Oil of Citrons**" *read* "**Citronella Oil.**"
i,	97	12	,, "**Contant**" *read* "**Constants.**"
i,	444	2*	,, "eleven" *read* "above."
i,	596	1	,, "**Chloro-*p*-aminobenzeneazobenzene**" *read* "**Chloral-*p*-amino-benzeneazobenzene.**"
i,	670	2	,, "R·N:C(OEt)·S·$C_6H_7O_5(OAc)_4$" *read* "R·N:C(OEt)·S·$C_6H_7O_5Ac_4$."
	,,	10	,, "C_3H_5·N:C(SEt)·S $C_6H_7O_5(OAc)_4$" *read* "C_3H_5·N:C(SEt)·S·$C_6H_7O_5Ac_4$."
	,,	25	,, "$SO_2Me·CH_2·CH_2·CH_2·N:C(SEt)·S·C_6H_7O_5(OAc)_4$" *read* "$SO_2Me·CH_2·CH_2·CH_2·N:C(SEt)·S·C_6H_7O_5Ac_4$."
	,,	14*	,, "C_7H_7·N:C(OEt)·S·$C_6H_7O_5(OAc)_4$" *read* "C_7H_7·N:C(OEt)·S·$C_6H_7O_5Ac_4$."
i,	673	2 and 30	,, "benzyl" *read* "benzoyl."
i,	778	24	,, "Faginoli" *read* "Fagiuoli."
i,	933	24 *before*	"*d*- or *l*-bromocamphorsulphonate" *insert* "silver."
i,	980	12* *after*	"H. Simonis" *insert* "P. Remmert."
ii,	70	14	*for* "**Nitrating**" *read* "**Titrating.**"
ii,	75	15	,, "Roseblatt" *read* "Rosenblatt."
ii,	135	10*	,, "**Thorium**" *read* "**Thallium.**"
ii,	285	10	,, "Zaldwar" *read* "Zaldivar."
ii,	613	28	,, "boxwood" *read* "beechwood."
ii,	1033	30 col. i,	*insert* "**Biringuccio**, Vannoccio, work of (Mieli), A., ii, 45."

Collective Index, 1903–12 (Authors).

275	7 col. i	*for* "**Kollisch**" *read* "**Köllisch.**"
629	27 col. ii	
280	31 col. i	,, "2253" *read* "2353."

* From bottom.

Collective Index, 1903–12 (Subjects).

Page	Line	
39	14* col. i	*for* "1-**Acetyl-2-methylindole**" *read* "2-**Acetyl-1-methyl-indole.**"
39	13* col. i	,, "Kollisch" *read* "Köllisch."

Annual Reports, 1913, Vol. X.

140	2*	*for* "It appears to have, etc." *read* "It gives with nitric acid a product which appears to have, etc."

Indexes, 1913.

Title page for Vol. CIV. Part I. *for* "Organic Chemistry" *read* "Organic, Physiological, and Agricultural Chemistry."

Title page for Vol. CIV. Part II. *for* "Physical, Inorganic, Mineralogical, Physiological, Agricultural, and Analytical Chemistry" *read* "Physical, Inorganic, Mineralogical, and Analytical Chemistry."

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* From bottom.